CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: Providing RO Plant at General Hospital Yelahanka Ward No.01, BBMP, Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes	Actual No's of testes	Testes	Frequency
1	1:3:6	3.36 Cum	1	1	Cement Sand, Aggregates	One Test Per Lot
2	M25	3.77 Cum	1	2	Concrete Cube Compressive Strength	-
3	CC Blocks - 400x200x200	66.01 Sqm	1	1	Concrete Blocks Compressive Strength	-
4	Steel	0.21 Tonne	1	1	-	-
5	MS Angular Truss	145.80 Kgs	1	1	-	-
6	Vitrified Tiles	13.52 Sqm	1	1	-	-
7	CPVC Pipe - 32mm	36.00 Mtrs	1	1	-	-
8	CPVC Pipe - 20mm	25.00 Mtrs	1	1	-	-

Cubes

0-5 Cum 1Set
6-15 Cum 2Set
16-30 Cum 3Set
31-50 Cum 4Set
Add 1set for extra 50Cum

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A.E.E

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah layout, Nagasandra, Bangalore - 560 073.
PH.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

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Job No.: .CACE/BBMP/NS/W.No.01/2021-22 Date : 14.01.2022

TEST REPORT ON CEMENT CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. N Shivakumar, Contractor, Bangalore.**

Name of the Work : Providing RO Plant at General Hospital Yelahanka Ward No.01, BBMP, Bangalore.

Date of Testing : 14.01.2022

Size of Blocks : 400mm x 200mm x 200mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (N)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	32.9	415.2	5.19	2056.25	Minimum required Compressive Strength of Individual Units 5.00N/mm^2
2	Block 2	33.5	426.4	5.33	2093.75	
3	Block 3	34.6	420.9	5.26	2162.50	
4	Block 4	33.8	419.5	5.24	2112.50	

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

A.E.E

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
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Job No.: CACE/BBMP/NS/W.No.01/2021-22 Date: 02.03.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Sri. N Shivakumar, Contractor, Bangalore.**

Name of the work : Providing RO Plant at General Hospital Yelahanka Ward No.01, BBMP, Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.02.2022	02.03.2022	8.184	610.3	27.12
2	02.02.2022	02.03.2022	8.169	626.3	27.84
3	02.02.2022	02.03.2022	8.152	609.1	27.07

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Authorised Signatory

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